

AMENDMENTS TO THE DRAWINGS

Figure 2 is amended to correct a spelling error in the box identified by reference character 217.

Figures 8 and 9 are amended to include legends indentifying portions of Figures 8 and 9 as “Prior Art”, and to identify the boxes contained therein with reference characters, as required by the Examiner.

Figure 12 is amended to include a legend identifying Figure 12 as “Prior Art”, as required by the Examiner.

Drawing Replacement Sheets for Figures 2, 8, 9, and 12 are provided as attachments to this Amendment.

Drawing Annotated Sheets for Figures 2, 8, 9, and 12 are also provided as attachments to this Amendment, as required by the Examiner.

REMARKS/ARGUMENTS

Initially, Applicants would like to express their appreciation to the Examiner for the detailed Official Action. Applicants also wish to thank the Examiner for acknowledgement of Applicants' claim for foreign priority and the receipt of the certified copy of the priority document. Applicants would also like to thank the Examiner for considering the materials cited in the Information Disclosure Statement filed October 18, 2006. Applicants note, however, that the Examiner objected to the drawings for several reasons.

In the Official Action, claims 17-22 were rejected under 35 U.S.C. § 101 as being directed to non-statutory subject matter. Claims 1-14 and 17-23 were rejected under 35 U.S.C. § 102(b) as being anticipated by HO et al. (U.S. Patent Application Publication No. 2003/0169769 A1). Claims 15-16 were rejected under 35 U.S.C. § 102(a) as being anticipated by YI et al. (U.S. Patent Application Publication No. 2004/0146067 A1). Claim 24 was rejected under 35 U.S.C. § 103(a) as being unpatentable over HO in view of YI.

Upon entry of the amendment, claims 1-14 have been cancelled. New claims 25-29 have been added. Thus, claims 25-29 are currently pending for consideration by the Examiner.

The Official Action objected to the drawings for several reasons. Specifically, the Official Action asserted that Figure 12 failed to comply with 37 C.F.R. §1.84(p)(5), in that the drawing includes reference characters not mentioned in the description. In particular, the Examiner asserted the following reference characters included in Figure 12 are not mentioned in the specification: 804, 805, 806, 811, 812, 813, 814, 816, and 817. With regard to the above-cited reference characters, Applicants submit that reference character 805 is presently identified on specification page 2, line 19. Additionally, Applicants have amended the description of Figure 12 provided on specification pages 12-13 to include descriptions of reference characters 804, 806, and 811-817, which are consistent with Figure 12.

The Official Action also asserted that Figure 12 should be labeled as “Prior Art”.

Applicants have amended Figure 12 to include a legend identifying Figure 12 as “Prior Art”.

The Official Action further objected to Figures 8-9 asserting that they show descriptive boxes not described in the specification. More specifically, the Examiner asserted that the decision loop starting with “No error detected using frame FCS” is acknowledged as being the known MPDU process, and is not described in the specification. Applicants have amended Figures 8-9 to include additional reference characters, and have amended the description of Figures 8-9 to describe the descriptive boxes associated with the additional reference characters, consistent with Figures 8-9.

The Official Action also asserted that the above-cited portions of Figures 8-9 should also be labeled as prior art. Applicants have also amended Figures 8-9 identifying the above-cited portions of Figures 8-9 as “Prior Art”.

In response to the specific objections to the drawings discussed above, Applicants have amended Figures 8-9 and 12, and have also amended the corresponding sections of the specification. Accordingly, Applicants respectfully request that the objection to the drawings be withdrawn.

In the Official Action, claims 17-22 were rejected under 35 U.S.C. § 101 as being directed to non-statutory subject matter. Claims 17-22 have been cancelled. Thus, the rejection of claims 17-22 under 35 U.S.C. § 101 is now moot.

Claims 1-14 and 17-23 were rejected under 35 U.S.C. § 102(b) as being anticipated by HO. Claims 1-14 and 17-23 have been cancelled. Thus, the rejection of claims 1-24 and 17-23 under 35 U.S.C. § 102(b) as being anticipated by HO is now moot.

Claims 15-16 were rejected under 35 U.S.C. § 102(a) as being anticipated by YI. Claims 15-16 have been cancelled. Thus, the rejection of claims 15-16 under 35 U.S.C. § 102(a) as being anticipated by YI is now moot.

New independent claims 25-29 have been added. New independent claim 25 is directed to a method for composing a data compartment aggregation packet frame. Claim 25 explicitly recites the generation of a *first data compartment* that includes *a compartment identifier provided with a compartment recipient address representing an address of a first station*, and the generation of a *second data compartment* that includes *a compartment identifier provided with a compartment recipient address representing an address of a second station*.

Additionally, claim 25 recites that the *MAC header* includes *a non-unicast recipient address associated with the first station and the second station*. Thus, the non-unicast recipient address represents a multi-destination address that is associated with a plurality particular target stations in a given network. In claim 25, the multi-destination address corresponds to the addresses of the first station and the second station, which are the target stations and which are provided by the respective compartment recipient addresses. This particular feature of claim 25 is contrasted to a unicast address configuration wherein the unicast address is associated with only a single station in a given network.

These features are generally illustrated, for instance, in Applicants' Figure 2. For instance, the plurality of data compartments are identified by reference character 210, and the data carriage is identified by reference character 226. Additionally, the MAC header is represented by reference character 201, wherein the non-unicast recipient address associated with the plurality of stations is represented by reference character 220.

Applicants respectfully submit that at least these features of new independent claim 25 are not disclosed by HO. In contrast, Applicants submit that HO discloses a data unit having

only a single destination station. For instance, HO's paragraph [0052] states that "(t)he DTAED subfield 162 specifies indirectly the address of the transmitter and the address of the receiver, as the DTAID was linked to those addresses through previously communicated management frames according to the 802.11e/D2.0a draft standard." Applicant submit that HO only discloses the use of one recipient address, i.e., the address of the receiver. Thus, Applicants submit that HO fails to disclose the provision and use of a non-unicast recipient address, which represents a multi-destination address that is associated with a plurality particular target stations in a given network.

Similarly, Applicants respectfully submit that YI also fails to disclose the provision and use of a non-unicast recipient address associated with distinct stations, as recited in claim 25. For instance, YI's paragraph [0023] states that "(t)he second layer (L2) includes a MAC layer, a radio link control (RLC) layer, a broadcast/multicast control (BMC) layer, and a packet data convergence protocol (PDCP) layer." However, Applicants submit that YI fails to disclose that BMC layer is associated with a plurality of stations having distinct addresses. As a result, Applicants submit that YI further fails to disclose the particular configuration of the data compartment aggregation packet frame, as explicitly recited in claim 25.

For at least the reasons discussed above, Applicants submit that independent claim 25 is patentable over the cited references, either individually or in any combination. Since independent apparatus claim 26 and independent computer readable medium claim 29 generally correspond to independent method claim 25, Applicants submit that claims 26 and 29 are also patentable for reasons similar to the reasons discussed above regarding claim 25.

Additionally, Applicants submit that independent decomposing method claim 27 and independent decomposing apparatus claim 28 are directed to the decomposing of the data compartment aggregation packet frame, using the non-unicast recipient address that is associated with the plurality of stations. Thus, for reasons similar to the reasons discussed above,

Applicants submit that claims 27-28 are also patentable over the cited references, either individually or in any combination.

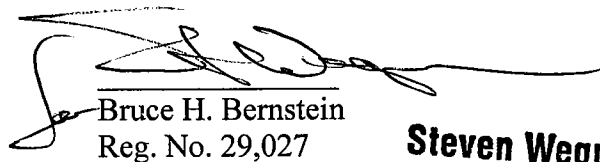
SUMMARY

From the amendments, arguments, and remarks provided above, Applicants submit that all of the pending claims in the present application are patentable over the references cited by the Examiner, either alone or in combination. Accordingly, reconsideration of the outstanding Official Action is respectfully requested and an indication of allowance of claims 25-29 is now believed to be appropriate.

Applicants note that this amendment is being made to advance prosecution of the application to allowance, and should not be considered as surrendering equivalents of the territory between the claims prior to the present amendment and the amended claims. Further, no acquiescence as to the propriety of the Examiner's rejections is made by the present amendment. All other amendments to the claims which have been made by this amendment, and which have not been specifically noted to overcome a rejection based upon the prior art, should be considered to have been made for a purpose unrelated to patentability, and no estoppel should be deemed to attach thereto.

Should there be any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,
Wei Lih LIM et al.



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Attachments: Drawing Replacement Sheets
Drawing Annotated Sheets

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